

PROJECT MANAGERS

G.H. Sanders, RL (509) 372-1786

N.C. Boyter, FH (509) 373-3725

INTRODUCTION

The 200 Area Remediation consists of Central Plateau Facility (CPF) Transition, the Equipment Disposition Project, and Central Plateau Waste Site Remediation, Project Baseline Summary (PBS) RL-CP01, Work Breakdown Structure (WBS) 3.3.1.5, 3.3.1.6, 3.3.1.7, 3.3.1.8, 3.3.1.9, 3.3.1.10, 3.3.1.11, 3.3.1.12, and 3.3.1.15.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due this fiscal year.

NOTABLE ACCOMPLISHMENTS

Equipment Disposition Project — The disposition of six polychlorinated biphenyl (PCB) contaminated rail truck assemblies was completed, and the Ion Exchange Columns notice of construction (NOC) has been forwarded to the State of Washington Department of Health (WDOH) and the Environmental Protection Agency (EPA).

200 Area Shutdown Facilities — Installation of the fall protection system for the roofs at PUREX and B Plant were completed, and installation of the metal roof frame base plates was initiated. Design of the pump system for water removal at 224-T C Cell was completed, and water and silt sampling was performed. In addition, activities for Interim Stabilization of 211-S Tank Farm were initiated, and repairs to the Samcons System were completed, restoring dial up capability for alarm notification at PUREX.

233-S Facility — Maintained scheduled maintenance activities on the operating systems while completing transition activities from Bechtel Hanford, Inc., to Fluor Hanford. Statement of work was developed for characterization of 233-S to downgrade facility from Nuclear Category 2 to Radiological Facility. Additionally, the initial planning to rebaseline the project schedule was completed.

Ground Water Remediation — In the 200 Area, both groundwater pump and treat systems (200-UP-1 and 200-ZP-1) operated above the planned 90 percent availability levels in July, processing approximately 129 million liters of groundwater. Since system inception, these two pump and treat systems have processed approximately 2.4 billion liters of groundwater. Approximately 96.6 kilograms of carbon tetrachloride were removed by 200-ZP-1 in July. Approximately 6,729 kilograms of carbon tetrachloride have been removed by 200-ZP-1 to date. Approximately 419.5 million liters of groundwater have been transported to the Effluent Treatment Facility (EFT) for processing since the 200-UP-1 began operation. 131.5 liters were previously processed prior to using the ETF.

Waste Sites — An Operable Unit work plan (for collecting data from miscellaneous 200 Area waste sites) was approved by the regulators. Initiated fieldwork as part of characterization effort for carbon tetrachloride in a 200W Area Operable Unit and completed final field efforts for another operable unit with removal of drill pads from the 216-B-38 Trench.

SAFETY

All Central Plateau Remediation Project (CP) Safety and Conduct of Operations information is reported in section F.

Breakthroughs / Opportunities for Improvement

Breakthroughs

None to report.

Opportunities for Improvement

None to report.

UPCOMING ACTIVITIES

Equipment Disposition Project — Ship the Ion exchange columns by October 2002.

200 Area Shutdown Facilities — Complete installation of new roofs on PUREX & B Plant by November 30, 2002.

Waste Sites — Submit 200-TW-1 Scavenged Waste Group and 200-TW-2 Tank Waste Group OU RI Report to EPA & Ecology by October 30, 2002. Submit 1 200 NPL RI/FS Work Plan for the 200-IS-1 tanks/liners/pits/diversion boxes OU by December 31, 2002.

MILESTONE ACHIEVEMENT FH Contract Milestones

MSN	Title	Туре	Due Date	Actual Date	Forecast Date	Status/Comments
M-15-41B	Submit 200-TW-1 and 200-TW-2 OU Remedial Investigation Report to EPA and Ecology	TPA	10/30/02			
TRP-38-803	Complete Installation of New Roofs on PUREX & B Plant	RL	11/30/02			
M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/02			
M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study	TPA	3/31/03			
M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Remedial Investigation Report	TPA	5/31/03			
M-15-47	Submit a Proposed Plan to EPA and/or Ecology to conduct Remedial Action(s) for Source Control at High-Risk Waste Site(s)	TPA	6/30/03			
M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/03			
M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/03			
M-15-41C	Submit 200-TW-1 and 200-TW-2 OU Feasibility Sudy and Proposed Plan to EPA and Ecology	TPA	3/31/04			
M-15-39B	Submit 200-CS-1 Chemical Sewer Group Remedial Investigation Report	TPA	5/31/04			
M-13-00O	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/04			
M-15-43B	Submit 200-PW-2 OU Remedial Investigation Report Including Past Practice Waste Sites in 200-PW-4 General Process Waste Group	TPA	6/30/04			
TRP-38-802	Decontaminate and Decommission the 233-S and 233-SA Facilities	RL	6/30/04			
M-15-40C	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Feasibility Study and Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Proposed Plan	TPA	10/31/04			
TRP-38-805	Complete Equipment Disposition Project (PUREX Cars)	RL	8/31/05			
M-15-39C	Submit 200-CS-1 Chemical Sewer Group Feasibility Study and Submit 200-CS-1 Chemical Sewer Group Proposed Plan/Proposed RCRA Permit Modification	TPA	11/30/05			
M-20-39	Submit 216-S-10 Pond and Ditch Closure/Post Closure Plan to Ecology	TPA	11/30/05			
M-15-43C	Submit 200-PW-2 OU Feasibility Study and Proposed Plan/Proposed RCRA Permit Modification	TPA	12/31/05			
M-20-33	Submit 216-A-10 Crib, 216-A-36B Crib, 216-A-37-1 Crib, and 207-A South Retention Basin Closure/ Post Closure Plans to Ecology	TPA	12/31/05			
TRP-38-804	Complete Equipment Disposition Project (212R Cars)	RL	6/30/06			

PERFORMANCE OBJECTIVES

Status

Outcomes: Transition Central Plateau to support long-term waste management

Performance Indicator

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FHI-M3 – 200 Area Facility Disposition Measure 1: Disposition Surplus Buildings

and Rolling Stock
Expectation 1:

Base: Decontaminate & Decommission (D&D) 233-S & 233-SA Facilities by September 30, 2004.

Stretch: D&D 233-S & 233-SA by June 30, 2004.

Expectation 2: Complete installation of new roofs on PUREX & B Plant by November 30, 2002.

Expectation 3:

Base: Disposition contaminated railcars by June 30, 2006.

Stretch: Disposition contaminated railcars by August 31, 2005.

Super stretch: Disposition contaminated railcars and heavy equipment by September 30, 2003.

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The existing Authorization Basis (AB) for PUREX and B Plant do not cover the use of cranes for lifting roofing materials to the roofs. An addendum to the AB is being prepared for RL that will allow the use of cranes. The contractor has completed the design of the metal roofs, has procured most of the roofing materials and has started installation of the frames for the metal roofs. The contractor's work scope has been expanded to include a Spider mast lift mechanism to facilitate transfer of roof materials in lieu of cranes.

Completed the disposal of rail trucks from three cask cars, which were previously shipped to Tennessee for recycling.

Completed preliminary radiological surveys and equipment condition evaluations for reuse on the eleven flatcars in the PUREX Rail Cut. Forecast completion in October 2002 with disposition of 183K Ion Exchange Columns.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

	_	FISCAL YEAR TO DATE							
	Sub-Project	BCWS	BCWP	ACWP	SV	%	cv	%	ВАС
PBS CP01 WBS 3.3.1.5	Central Plateau Facility S&M	2,738	1,861	2,987	(878)	-32%	(1,126)	-61%	6,285
PBS CP01 WBS 3.3.1.7	Central Plateau Facility D&D	360	268	112	(92)	-25%	156	58%	1,286
PBS CP01 WBS 3.3.1.8	Central Plateau Project Management	2,000	1,984	2,547	(16)	-1%	(564)	-28%	2,606
PBS CP01 WBS 3.3.1.9 PBS CP01	Equipment Disposition Project Groundwater	3,656	3,502	1,080	(154)	-4%	2,422	69%	5,199
WBS 3.3.1.10	Remediation	100	82	194	(18)	-18%	(112)	-137%	436
PBS CP01 WBS 3.3.1.11 PBS CP01	Waste Site Assessments Barrier Technology	358	274	48	(84)	-23%	226	82%	1,468
WBS 3.3.1.12	Studies	303	304	238	0	0%	66	22%	1,386
	Total 200 Area Remediation	9,515	8,274	7,206	(1,241)	-13%	1,068	13%	18,666

FY TO DATE SCHEDULE / COST PERFORMANCE

The unfavorable schedule variance of \$1.2M (13 percent) was primarily due to the B Plant/PUREX roof replacement work scope delay and the 224-T characterization work scope delays. The favorable cost variance of \$1.1M (13 percent) is primarily due to Equipment Disposition Project work completed at a substantial savings, and Central Plateau Facility D&D actual staffing below planned levels, which is offset by the unplanned costs related to the increase in the 224T characterization work scope, and CP transition costs not in the original planning.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$1.2M)

Central Plateau Facility S&M — 3.3.1.5/CP01

Description and Cause: The unfavorable schedule variance is primarily due to the B Plant/PUREX roof replacement work scope delay, and the discovery of water in 224-T C Cell. In addition, format issues have delayed progress on MDSA activities.

Impact: The discovery of water in 224-T C Cell will increase the work scope and delay completion of characterization by about four months. Format issues have significantly delayed progress on Master Documented Safety Analysis (MDSA) activities, but it is anticipated that the schedule can be recovered.

Corrective Action: Activities have been re-planned to remove 224-T C Cell water, correct the source of water intrusion, and continue characterization activities. However, the variance due to water removal will remain until the baseline is updated to reflect the growth of new work scope and corresponding delays. Activities have been re-planned to submit a DOE STD 1120 crosswalk in place of the MDSA format, and B Plant/PUREX roof repair/replacement is underway.

Central Plateau Facility D&D— 3.3.1.7/CP01

Description and Cause: The unfavorable schedule variance is primarily due to inability to obtain planned project personnel which caused a delay in activities.

Impact: Short-term impact is continued schedule delay until full staffing level is attained.

Corrective Action: Continue hiring to fill personnel vacancies.

Groundwater Remediation — 3.3.1.10/CP01

Description and Cause: The unfavorable schedule variance is primarily due to monitoring and sampling delays due to training and start-up activities required as a result of work scope transition.

Impact: No Impact.

Corrective Action: Sampling will begin in August.

Waste Site Assessments — 3.3.1.11/CP01

Description and Cause: The unfavorable schedule variance is primarily due to delays caused by carryover work that is not currently in the baseline, transition related activities, and acquisition of equipment/contracts.

Impact: The work is expected to be complete during the first quarter of FY 2003.

Corrective Action: Complete baseline change request to add work that was not completed by BHI prior to transition into the FH baseline.

All other schedule variances are within established thresholds.

Cost Variance Analysis: (+\$1.1M)

Central Plateau Facility S&M — 3.3.1.5/CP01

Description and Cause: The unfavorable cost variance was primarily due to Notice of Construction (NOC) related costs that were not in the original planning for 224-T, and the discovery of water in 224-T C Cell. In addition, B Plant/PUREX roof materials were received (accrued) prior to the start of installation, making it difficult to determine and claim work performed.

Impact: The discovery of water in 224-T C Cell will increase the workscope/cost necessary to complete characterization.

Corrective Action: Activities have been re-planned to remove water at 224-T C Cell, correct the source of water intrusion, and continue characterization activities. The B Plant/PUREX variance should improve as installation progresses.

Central Plateau Facility D&D— 3.3.1.7/CP01

Description and Cause: The favorable variance is primarily due to high level-of-effort activity in the Project Management/Support cost account, and actual staffing below planned levels, causing overstated performance relative to actual cost.

Impact: Positive cost variance will reduce as additional personnel are hired and material/equipment costs are committed.

Corrective Action: Continue hiring to fill personnel vacancies.

Central Plateau Facility Project Mgt — 3.3.1.8/CP01

Description and Cause: The unfavorable cost variance is primarily due to CP transition costs not in the original planning.

Impact: No Impact.

Corrective Action: Variance will remain until the baseline is updated to reflect the new work scope.

Equipment Disposition Project — 3.3.1.9/CP01

Description and Cause: The favorable cost variance was primarily due to heavy equipment, flatcar and cask car work scope completed at a substantial savings.

Impact: No Impact.

Corrective Action: No corrective action required.

Groundwater Remediation — 3.3.1.10/CP01

Description and Cause: The unfavorable cost variance is primarily due to less labor than planned as a result of consolidated maintenance activities.

Impact: No Impact.

Corrective Action: No corrective action required.

Waste Site Assessments — 3.3.1.11/CP01

Description and Cause: The favorable cost variance is primarily due to pending cost transfers for subcontract cost collection during transition, and planned training costs less than expected.

Impact: Current under run will be reduced as costs are corrected.

Corrective Action: Complete cost transfers as appropriate to redistribute charges to the correct

accounts.

Barrier Technology Studies — 3.3.1.12/CP01

Description and Cause: The favorable cost variance is primarily due to labor charges to incorrect account.

Impact: None.

Corrective Action: Corrections will be made to accounts.

All other schedule variances are within established thresholds.

ISSUES

Technical Issues

Issue: Staffing shortfall and potential loss of project knowledge, tied to 200 Area Central Plateau Bechtel Hanford Transition.

Impact: Personnel transferred from BHI to FH may not be sufficient in numbers or experience to allow all work to continue without interruption.

Action Plan/Status: Only nine of thirty-three incumbent positions at 233-S/SA filled on July 1, 2002. Since July 1, up to 80 percent of the vacancies have been filled, with two additional D&D workers added during the week of August 19, 2002. A baseline change request is being drafted to document the eight-week delay in work at the facility.

Regulatory, External, and DOE Issues and DOE Requests

None to report.

Baseline Change Requests Currently in Process

BCR No.	Date Originated	Description	Impact		Date	Ctatura	
Level 4 WBS		Description	Days	Dollars (\$000s)	Approved	Status	
CP01-02-007 3.3.1.8	3/13/02	Central Plateau Transition Activities		\$1,532	7/26/02	Conditionally approved	